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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,756	08/14/2003	Junaid Syed	3017	1755
31424	7590 08/10/2004		EXAMINER	
BABCOCK	IP LLC	A, MINH D		
24154 LAKES LAKE ZURIO	SIDE DRIVE CH, IL 60047		ART UNIT PAPER NUMBER	
	,		2821	
			DATE MAILED: 08/10/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

				<u> </u>
	Арр	lication No.	Applicant(s)	
		604,756	SYED ET AL.	
Office Action Summa	<i>ry</i> Exa	miner	Art Unit	
		n D A	2821	
The MAILING DATE of this cor Period for Reply	mmunication appears	on the cover sheet t	with the correspondence addr	ess
A SHORTENED STATUTORY PERI THE MAILING DATE OF THIS COM - Extensions of time may be available under the pri after SIX (6) MONTHS from the mailing date of the - If the period for reply specified above is less than - If NO period for reply is specified above, the maxi - Failure to reply within the set or extended period Any reply received by the Office later than three rearned patent term adjustment. See 37 CFR 1.76	MUNICATION. ovisions of 37 CFR 1.136(a). In thirty (30) days, a reply within the statutory period will apply for reply will, by statute, cause months after the mailing date of	n no event, however, may a the statutory minimum of th y and will expire SIX (6) MC the application to become a	a reply be timely filed irty (30) days will be considered timely. DNTHS from the mailing date of this comi ABANDONED (35 U.S.C. § 133).	munication.
Status				
1) Responsive to communication	(s) filed on 14 August	2003.		
2a) This action is FINAL .	2b)⊠ This actio			
3) Since this application is in con-	dition for allowance ex	cept for formal ma	tters, prosecution as to the m	nerits is
closed in accordance with the	practice under <i>Ex par</i>	te Quayle, 1935 C.	D. 11, 453 O.G. 213.	
Disposition of Claims				
4) Claim(s) <u>1-22</u> is/are pending ir	the application.			
4a) Of the above claim(s)	_ is/are withdrawn fro	m consideration.		
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-6,8-12 and 14-22</u> is	/are rejected.			
7)⊠ Claim(s) <u>7 and 13</u> is/are object	ted to.			
8) Claim(s) are subject to	restriction and/or elec	tion requirement.		
Application Papers				
9)☐ The specification is objected to	by the Examiner.			
10) The drawing(s) filed on i	s/are: a)⊡ accepted	or b)☐ objected to	by the Examiner.	
Applicant may not request that an	y objection to the drawir	ng(s) be held in abeya	ance. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) inc				
11)☐ The oath or declaration is object	cted to by the Examine	er. Note the attache	ed Office Action or form PTO	-152.
Priority under 35 U.S.C. § 119			_	
12) Acknowledgment is made of a € a) All b) Some * c) None	e of:		§ 119(a)-(d) or (f).	
1.☐ Certified copies of the p				
2. Certified copies of the pr	•			
3. ☐ Copies of the certified co			n received in this National St	age
application from the Inte	•			
* See the attached detailed Office	action for a list of the	certified copies no	ot received.	
Attachment(s)	TUYETVO			
1) Notice of References Cited (PTO-892)	PRIMARY EXAMINE	R 4) Interview	Summary (PTO-413)	•
2) 🔲 Notice of Draftsperson's Patent Drawing Re		Paper No	o(s)/Mail Date	E0)
 Information Disclosure Statement(s) (PTO-1 Paper No(s)/Mail Date <u>8/14/03</u>, <u>8/29/03</u>. 	449 or PTO/SB/08)	5)	Informal Patent Application (PTO-1	52)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-3, 9 and 18-22 are rejected under 35 U.S.C. 102(b) as being unpatentable by Sharman (US 6,522,305).

Regarding claim 1, Sharman discloses a radome (24) for a reflector antenna having a reflector (10 and 13) with a vertex area (V), comprising: a central portion (10) surrounded by an outer portion (13), the central portion (13) having a radius configured to focus a reflected component of an RF signal reflected by the reflector antenna to the vertex area (V); and the outer portion (10) having a radius greater than the central portion. See figures 2-6, col.2, lines 35-67 to col.5, lines 1-23.

Regarding claim 2, Sharman discloses wherein a transition between the central portion (13) and the outer portion (10) is located at a position where the reflected component from the outer portion closest to the transition reflects from the reflector without intersecting with reflector antenna. See figures 2-6.

Regarding claim 3, Sharman inherently discloses the radome (24) is injection molded dielectric plastic. See col.3, lines 36-74, teach that, the radome is made by conductive dielectric material.

Regarding claim 9, Sharman discloses RF absorbing material located

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in the vertex area. See figures 2-7.

Regarding claims 18-22, Sharman discloses a microwave antenna comprises a feed; a reflector (10) and a radome (24) adapted to cover said reflector (10), the reflector (10) and radome (24) having interlocking peripheral structures (a peripheral flangs having a plurality screw) configured such that said radome (24) is joined to said reflector by mating said structures and rotating said radome relative to said reflector(10). See figures 2-7, col.2, lines 35-67 to col.5, lines 1-23.

3. Claims 10-12 and 14-17 are rejected under 35 U.S.C. 102(b) as being unpatentable by Pittman (US 6,292,142).

Regarding claims 10 and 15, Pittman discloses a locking assembly for a reflector antenna having a reflector (122) with a vertex area, comprising'. a radome (120) adapted to cover an open end of the reflector', a plurality of tabs (32) formed proximate a periphery of the radome (120); the tabs (32)configured to pass through a corresponding plurality of cut outs formed in a periphery of the reflector (122). See figures 1-8, col.3, lines 6-67 to col.7, lines 1-27.

Regarding claims 11-12, 14 and 16-17, Pittman discloses the tabs (32) retain the radome on the reflector when the radome is rotated after the tabs are passed through the cut-outs and a plurality of support posts formed proximate the periphery of the radome which the reflector seats against when the tabs are passed through the cut-outs and a plurality of absorbing retainers arranged proximate a periphery of the radome. See figures 1-8, col.3, lines 6-67 to col.7, lines 1-27.

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Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Sharman (US 6,522,305) in view of Pittman (US 6,292,142).

Regarding claims 4-8 and 19 Sharman discloses the claimed invention except for a plurality of tabs formed proximate a periphery of the radome', the tabs configured to pass through a corresponding plurality of cut outs formed in a periphery of the reflector and a plurality retainers arranged proximate a periphery of absorbing the radome. However, Pittman discloses a plurality of tabs formed proximate a periphery of the radome', the tabs configured to pass through a corresponding plurality of cut outs formed in a periphery of the reflector and a plurality retainers arranged proximate a periphery of absorbing the radome. See figures 1-3, col.3, lines 7-67 to col.7, lines 1-26.

It would have been an obvious to one of ordinary skill in the art at the time the invention was made to employ a plurality of tabs formed proximate a periphery of the radome', the tabs configured to pass through a corresponding plurality of cut outs formed in a periphery of the reflector and a plurality retainers arranged proximate a periphery of absorbing the radome such as that suggested by Pittman in the reflector

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antenna of Shaman to provide a easily and quickly unlocked and disengaged from the locking assembly by depressing a finger tab of the locking.

Allowable Subject Matter

4. Claims 7 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The prior art does not teach that, a plurality of locking clips configured to compress when the tabs are passed through the cut outs; the locking clips decompressing into the cut outs when the radome is rotated after the tabs are passed through the cut outs; the locking clips decompressed into the cut outs inhibiting further rotation of the radome in depending claims 7 and 13.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Butle (US 6,437,757) and Desargant et al. (US 6,570,540) are cited to show a reflector antenna.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Minh A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 –2:30 PM).

If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone numbers for

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the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and (703) 872-9319 for final communications.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (571) 272-1553.

TUYET VO PRIMARY EXAMINER

Examiner

Minh A

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8/08/04